

## Product datasheet for MC203870

### Hyal3 (NM\_178020) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hyal3 (NM\_178020) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hyal3  
**Synonyms:** Hyl3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC018457  
 CTGGGGAGGGTGTACTGTGTCTGCGGAGCCACCTGAGCCAGGTCTCCATCTCTGTGGCATGATCATGCAC  
 CTAGGCCTAATGATGGTGGTGGGTTAACCTGTGCCTGATGCATGGCCAAGCTTTGCTGCAGGTTCTGT  
 AACATCCTTTTTCTGTGGTATGGAATGTACCCTCAGCAAGATGTAAGGCCATTTTGGTGTGCATCTGCC  
 TCTCGATGCCCTCGCATTGTAGCCAACCACGGCCAACATTTTACGGCCAAAACATCTCCATCTTCTAC  
 AAGAACCAGTTTGGTCTTTATCCTTACTTTGGACCTAGAGGTACAGCCACAATGGGGGAATCCCTCAGG  
 CTGTGTCTTAGACCACCACTTGGCAGCAGCTGCCACCAGATCTACACAGCCTAGGATCTAGCTTTGC  
 TGGCTTGGCAGTCTGGACTGGGAAGAATGGTACCCTCTGGGCTGGGAACTGGGGCCCCATCGACAA  
 GTCTACCTGGCAGCCTCCTGGGTTTGGACACAGCAGATGTTCCCTGGCTTGGATCCTCAGGAACAGCTCC  
 ACAAAGCCATACTAGCTTTGAGCAGGCTGCCCGTGCCTCATGGAATACACTCTGCAGCTGGGCCGGAC  
 ACTTCGCCGAGTGGCCTCTGGGGCTTTTACAGATATCCAGCCTGTGGCAATGGCTGGCATAAGATGGCT  
 TCCAACCTACACAGGCCACTGCCATGCAGCCATCACCACCCAAAACACCCAAGTGGCTTGGCTCTGGGCTG  
 CCTCCAGTGTCTCTTCCCTAGCATCTACCTCCCACCCAGACTGCCACTTGCCTACCGTCAAGCCTTTGT  
 CCGACACCCGCTGGAGGAAGCCTTCCGTGTAGCCCTTTTGGAGCATTACATCCTCTACCTGTTCTGGCT  
 TATTCTCGCCTCACACACCGGAGCTCTGGGAGATTCTGTCTCTGGACGACCTGATGCAGACTATTGGAG  
 TGAGTGCCGCACTGGGAACAGCTGGAGTGGTACTCTGGGGGACCTGAGCTTCTCTAGCTCTGAGGAAAA  
 GTGCTGGCGTCTCCATGACTACTTAGTGGGCACCTTAGGCCCTATGTGATCAATGTGACCAAGGCTGAC  
 ATGGCTTGCACTGCAGCCAGATGATGCCATGGTCGATGTGCCGAAAGACCCAGGACAAATGGAAG  
 CCTTTCTACATCTGCAGCCAGATGACAGTCTTGGAGCTTGGAAATTCCTTCAGATGCCATTGTTATTCGGG  
 TTGGGCTGGCCCTACCTGCCTGGAGCCTAAACCCTGAGCCCAACATAGAGTCAGGAGTCCCTGCCTTTGC  
 TACTTGACCCTGTGTCAATTTCCAGTCTAGAGGAATTCCTTTATGCTTTGTTAGCTTATGGGAC  
 TTTCCCAAGTACATATCCCACTTCCACCAATAACAATTCCATAGAAATTCCTGAGGAGCCGGGCATGGTG  
 GCGCACGCTTTAATCCAGCACTCGGGAGGCAGAGGCAGGCCGATTTCTGAGTTCGAGGCCAGCCTGAT  
 CTACAAAGTGAGTTCCAGGACAGCCAGGGCTATACAGAGAAATCTGTCTCAGAAAAAAAAAAAAAAAAAAAAA AAAAA

**Restriction Sites:** RsrII-NotI



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ACCN:	NM_178020
Insert Size:	1239 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
RefSeq:	<a href="#">BC018457</a> , <a href="#">AAH18457</a>
RefSeq Size:	1615 bp
RefSeq ORF:	1239 bp
Locus ID:	109685
UniProt ID:	<a href="#">Q8VEI3</a>
Cytogenetics:	9 58.19 cM
Gene Summary:	Facilitates sperm penetration into the layer of cumulus cells surrounding the egg by digesting hyaluronic acid. Involved in induction of the acrosome reaction in the sperm (PubMed:20586096). Involved in follicular atresia, the breakdown of immature ovarian follicles that are not selected to ovulate. Induces ovarian granulosa cell apoptosis, possibly via apoptotic signaling pathway involving CASP8 and CASP3 activation, and poly(ADP-ribose) polymerase (PARP) cleavage (PubMed:18653706). Has no hyaluronidase activity in embryonic fibroblasts in vitro (PubMed:18234732). Has no hyaluronidase activity in granulosa cells in vitro (PubMed:18653706).[UniProtKB/Swiss-Prot Function]